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Application/Control Number: 09/677,493

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Art Unit: 2172

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February 27, 2003

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Commissioner of Patents and Trademarks

Washington, D.C. 20231

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Amendment of My Patent Application

Dear Mr. To,

I filed a patent application in your offices, INTEGRATED DATABASE DATA EDITING SYSTEM, Application #09/677,493, Filing Date: 10/02/2000. I sent the Clean Version of Amendment to you on August 12, 2002 and faxed the Marked Up Version to you on February 5, 2003. This letter is to response to your "Office Action Summary" and your letter "Detailed Action" dated on February 6, 2003. Attached is the Reference List.

My patent application relates to the computer relational database data editing system which remotely accesses, manages and edits the database data through either intranet or Internet. The system includes the client computer side Graphic User Interfaces (GUIs) and server computer side "middle-ware". Koppolu et al. (US. Patent No. 5,801,701) teach a computer method and system for interacting with a containee object contained within a container object, more specifically, an Object Linking and Embedding (OLE) method and system in the Microsoft Windows environment. Teper et al. (US. Patent No. 5,815,665) teach a system and method for providing trusted brokering services over a distributed network, more specifically, for allowing consumers to securely and anonymously make purchases and access online services over an untrusted distributed network. Moursund (US. Patent No. 5,644,739) teaches a method and system for adding buttons to a toolbar of a computer graphic user interface. None of these previous arts relates to the computer database data editing system as presented in my present patent application.

The following is the detailed response to your letter corresponding to each item number:

#1. I amended original Claims 1 and 2, amended and divided original Claim 3 as Claims 3, 4 and 5, amended and re-number original Claim 4 as Claim 6 and original Claim 6 and Claim 1(vii) as Claim 7. The original Claim 5 was cancelled. I didn't add any new element or matter to the amendments. All the verbal changes are for the purpose to be understood and made use by ordinary people skilled in the art.

#4. My Claim 1 teaches an integrated database data editing system providing the visual environment, graphic user interface and tools in the client computer to remotely access a server computer database and to manage and edit the database data through either intranet or Internet. In Koppolu et al. patent, the VAC1.DOC is a local OLE object. The linked and embedded object in a compound document such as a spreadsheet object (col. 8, lines 15-24) is edited in the Microsoft Word processor (col. 7, lines 38-63). In Teper et al. patent, the user authentication to the Service Provider (col. 9, lines 9-12) is actually a common practice for most Internet applications. My Claim 1 is not similar to the mentioned contents of Koppolu et al. and Teper et al.

Regarding on my Claim 2 of the well-defined graphical user interfaces and tools, all the elements and contents do not have the OLE relationship as in Koppolu et al. patent. Some Windows layouts and Mouse "single-click" and "double-click" functions, as in Koppolu et al. where VAC1.DOC shows the OLE objects (table 1 and table 2 in fig. 3), the user clicks with the Mouse on the Title Bar to activate the MDI Windows (col. 28, lines 55-58), the Combo List Button (3206, fig. 32), and the user double-clicks the subject to launch the OLE object application (col. 8, lines 14-24), are actually the standard Windows Layouts and Mouse functions. I use these standards to implement the GUIs in my patent. OK/

Regarding to my Claim 3, I use standard Windows layouts such as menu bar and frames to implement my Database Data Manager GUIs including the Header Panel and Detail Panel. The elements and contents in my application are totally different from those of Koppolu et al. (3203, 3204 and 3205 in fig. 32).

Regarding to my Claim 4, I use the standard Windows layouts such as frames (Header Panel and Detail Panel) and standard Mouse action such as double-clicking to implement the GUIs. The elements and contents in the GUIs of my application are totally different from those of Koppolu et al. (VAC1, VAC2, VAC3, 3204 and 3205 in fig. 32, and col. 8, lines 15-20).

Regarding to my Claim 6, I claim that the client/server version of my integrated database data editing system is deployed and run on the intranet. Koppolu et al. teach the OLE relationship of the containee (server application) and container (client application) objects in a compound document such as a Spreadsheet object in the Word compound document (col. 8, lines 47-64).

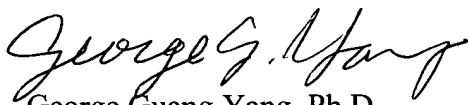
Regarding to my Claim 7, I claim that the web version of my integrated database data editing system is deployed and run on the Internet and also on the other networks,

and is implemented with security features by using the Public Key Infrastructure (PKI) and Secure Socket Layer (SSL) protocol. Koppolu et al. teaches the OLE relationship of the containee (server application) and container (client application) objects in a compound document (col. 8, lines 47-64). Teper et al. uses the session key to encrypt the data and SSL protocol to secure the data transaction through networks (col. 17, lines 23-33). Actually, the PKI and SSL are the common Internet data security standards and are widely used in most secured Internet applications.

#5. My Claim 5 claims the Detail Panel of Database Data Manager including a DB Designer, an ER Designer, a Table Designer, a DB Schema Designer, a Data Filter and an SQL Console. Koppolu et al. teach that a containee object is edited in a container such as Microsoft Word (col. 7, lines 53-64). Teper et al. teach the system for providing trusted broking services over a distributed network. Moursund teaches that a button creation routine for customizing the tool bar is included in the Microsoft Access application (col. 5, lines 39-45, and fig. 4G) which is interactive with the Windows operating system of a single Personal Computer (PC). None of these previous arts provide the similar "Detail Panel of Database Data Manager" of my application.

I hope that the above detailed explanations for my patent amendments will answer your "Detailed Action" and this letter will provide you enough information to reexamine my patent application and approve it at your earliest convenience. If you have any further concerns or questions, please let me know. Thank you very much for your time and effort to exam my patent application.

Sincerely,


George Guang Yang, Ph.D.



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Notice of Reference

Document Number	Date	Inventor Name	Classification
5,644,739	07/1997	Moursund	395/354
5,675,752	10/1997	Scott et al.	395/333
5,801,701	09/1998	Koppolu et al.	345/352
5,815,665	09/1998	Teper et al.	395/200.59
5,864,682	01/1999	Porter et al.	395/200.77
5,875,448	02/1999	Boys et al.	707/531
5,950,207	09/1999	Mortimore et al.	707/104
6,035,309	03/2000	Dauerer et al.	707/503
6,105,055	08/2000	Pizano et al.	709/204